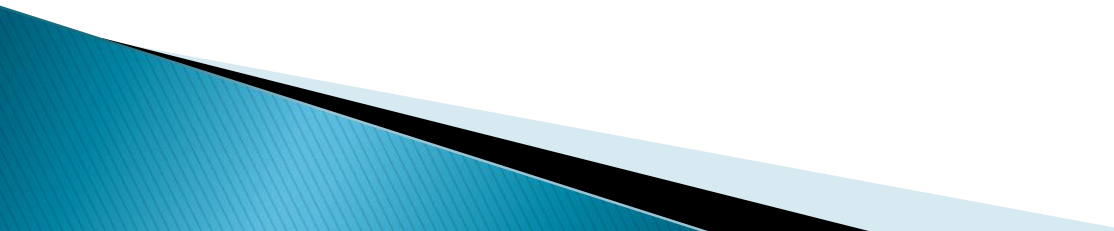


**Climate Action Team- Public Health
Work Group
Health and Wildfire in a Changing
Climate**

July 22, 2014

- ▶ What CAL FIRE projects in terms of wildfire frequency, intensity, and extent?
 - ▶ CAL FIRE wildfire risk projections (i.e. where wildfires are more likely to occur and how this may affect populations (people))?
 - ▶ CAL FIRE's recommendations to protect same people from wildfire impacts?
 - ▶ CAL FIRE Programs aimed at addressing these issues (FireSTEPP and VMP)
- 

- ▶ CAL FIRE's Guiding Document,
- ▶ 2010 California Strategic Fire Plan.

Fire Plan


- ▶ VISION

- ▶ A natural environment that is more resilient and man-made assets which are more resistant to the occurrence and effects of wildland fire through local, state, federal and private partnerships.

- ▶ GOALS AND OBJECTIVES

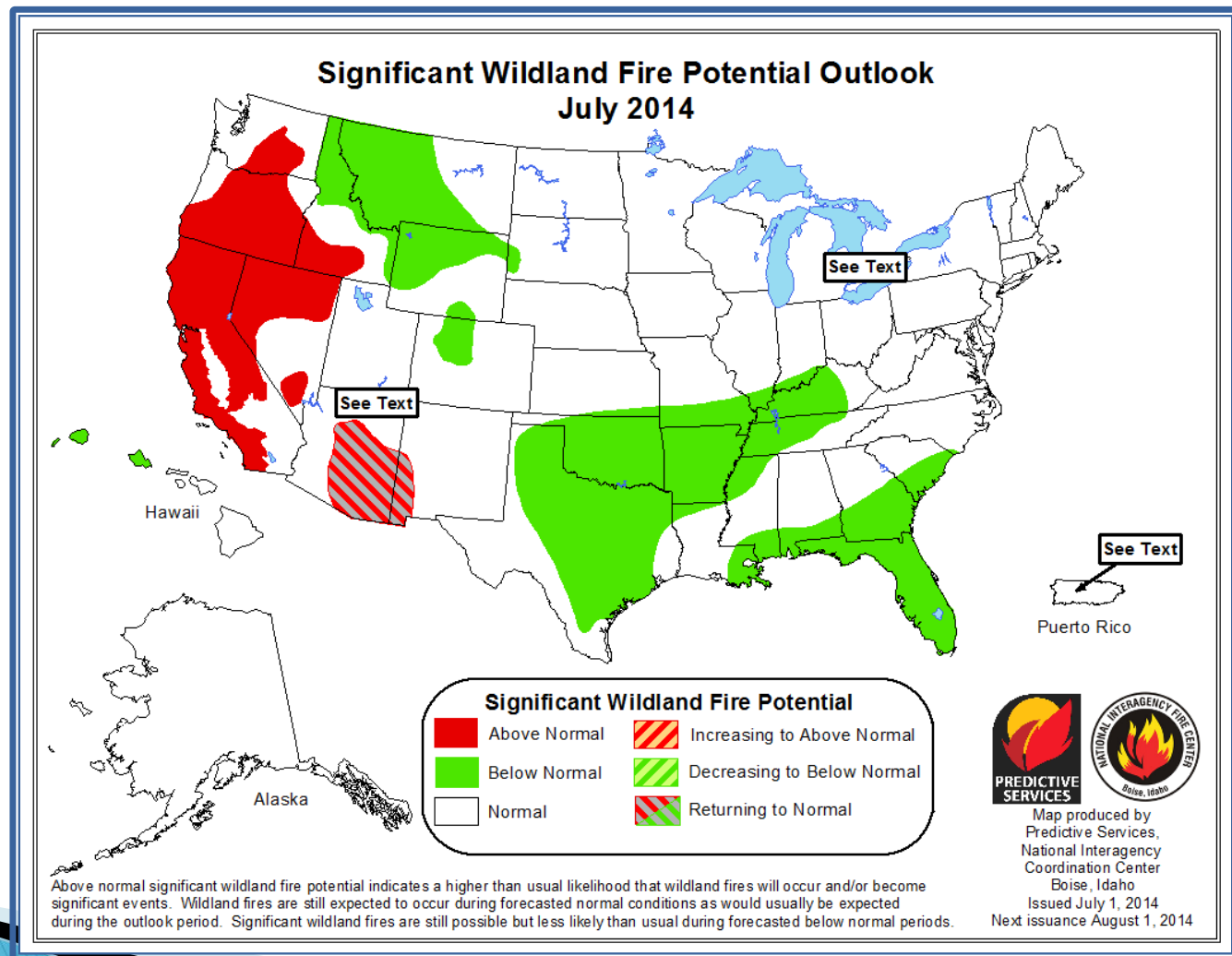
- ▶ Goals Through government and community collaboration, the following goals will enhance the **protection of lives, property and natural resources from wildland fire, as well as improve environmental resilience to wildland fire**. Community protection includes promoting the safety of the public and emergency responders, as well as protection of property and other improvements. Each goal listed here is meant to
- ▶ build upon the previous one (e.g., Goal 3 builds upon the accomplishments in Goals 1 and 2). Although full attainment of a goal is ultimately dependent upon the success of previous goals, any of the goals can be worked on at any given time based on available funding and other opportunities.

Fire Plan Goals

- ▶ 1. Identify and evaluate wildland fire hazards and recognize life, property and natural resource assets at risk, including watershed, habitat, social and other values of functioning ecosystems. Facilitate the sharing of all analyses and data collection across all ownerships for consistency in type and kind.
 - ▶ 2. Articulate and promote the concept of land use planning as it relates to fire risk and individual landowner objectives and responsibilities.
 - ▶ 3. Support and participate in the collaborative development and implementation of wildland fire protection plans and other local, county and regional plans that address fire protection and landowner objectives.
 - ▶ 4. Increase awareness, knowledge and actions implemented by individuals and communities to reduce human loss and property damage from wildland fires, such as defensible space and other fuels reduction activities, fire prevention and fire safe building standards.
 - ▶ 5. Develop a method to integrate fire and fuels management practices with landowner priorities and multiple jurisdictional efforts within local, state and federal responsibility areas.
 - ▶ 6. Determine the level of fire suppression resources necessary to protect the values and assets at risk identified during planning processes.
 - ▶ 7. Address post-fire responsibilities for natural resource recovery, including watershed protection, reforestation and ecosystem restoration.
- 

- ▶ What CAL FIRE projects in terms of wildfire frequency, intensity, and extent?

Predictive Services



7 Day Outlook



National 7-day Significant Fire Potential Outlook



Legend

Fuel Dryness

- Moist - Little or no risk for large fires.
- Dry - Low risk of large fires in the absence of a "High Risk" event.
- Very dry - Low/Moderate risk of large fires in the absence of a "High Risk" event.
- Data Unavailable.

High Risk Events

- W** Wind
- H** Hot and Dry
- Lightning

California - North Area 7 Day Significant Fire Potential

Predictive Service Area	Sun Jul 20	Mon Jul 21	Tue Jul 22	Wed Jul 23	Thu Jul 24	Fri Jul 25	Sat Jul 26	Sun Jul 27
NC01 - North Coast								
NC02 - Mid Coast								
NC03A - Bay Area-Marine								
NC03B - Diablo/Santa Cruz Mtns								
NC04 - Northwestern Mtns								
NC05 - Sacramento Valley								
NC06 - Northeast CA				W				
NC07 - Northern Sierra				W				
NC08 - East Side				W				

Weather

*** Thunderstorms With Rainfall Through Tuesday ***

Moist unstable conditions over the North Ops region will continue the shower and wet thunderstorm chances through Tuesday. The activity today will be focused in eastern and southern areas, but it will gradually drift northward and focus on the northern half of the North Ops area late today and Tuesday, while southern areas begin to clear. A direct hit from a thunderstorm can yield 0.50-1.00 inches of rainfall.

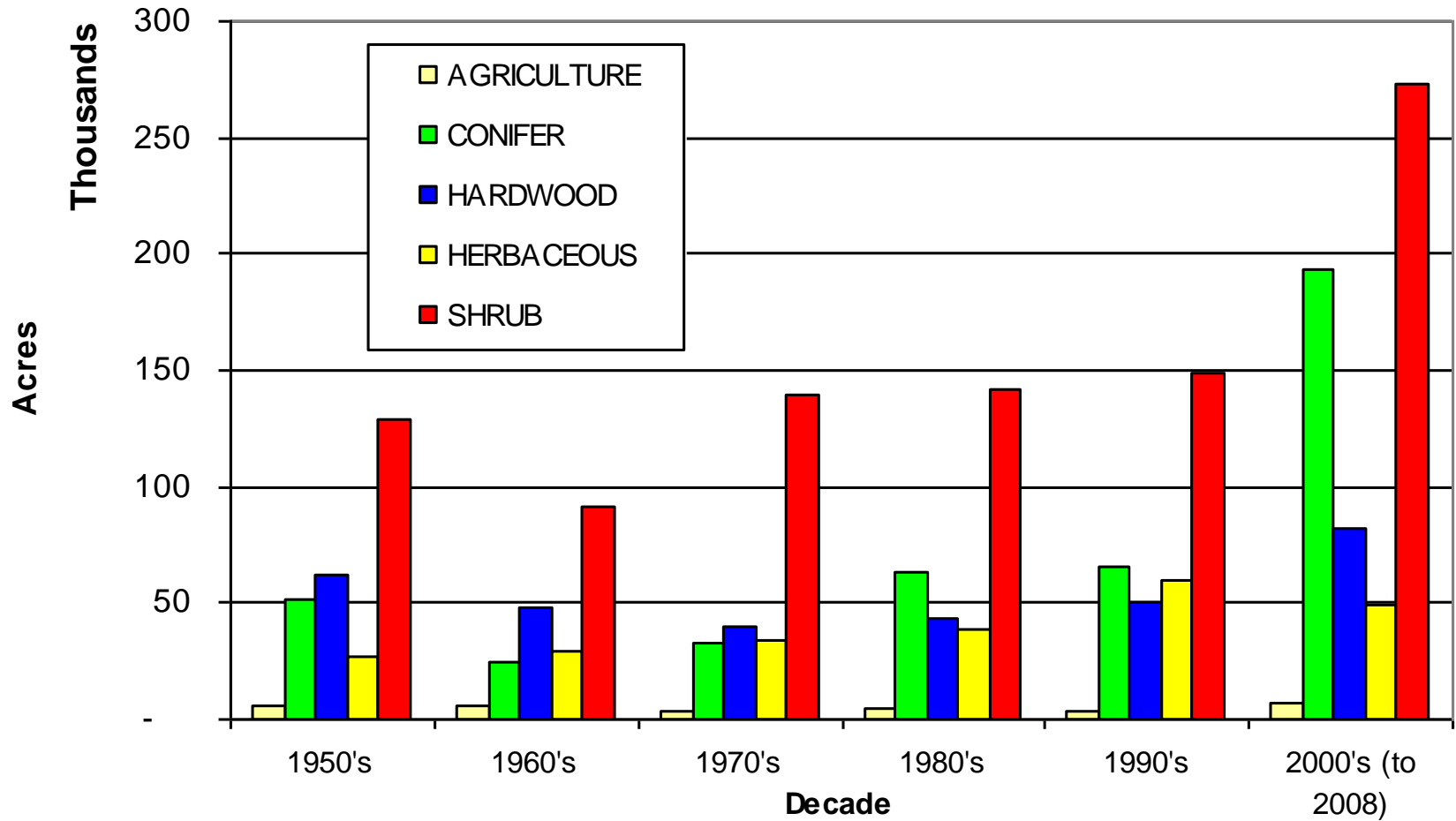
Low pressure will still be over the Pacific Northwest on Wednesday, but for the North Ops area conditions will be sunny, dry and breezy. SW-W winds gusting to 25-30 mph east of the Cascade-Sierra crest Wednesday may cause holdover ignitions from recent lightning to rapidly grow and spread. Warmer and drier conditions are expected on Thursday, but with lighter winds.

High pressure will build over the region beginning late in the week and into next weekend and push temperatures up to 7-12 degrees above normal with low humidity and poor overnight RH recovery in many inland areas. Light to locally moderate N-NE surface winds may enhance these conditions from the lower western Sierra slopes to the coastal mountains from Thursday through Saturday.

Fuels/Fire Potential

- ▶ CAL FIRE wildfire risk projections (i.e. where wildfires are more likely to occur and how this may affect populations (people))?

Average Wildfire Acres by Decade

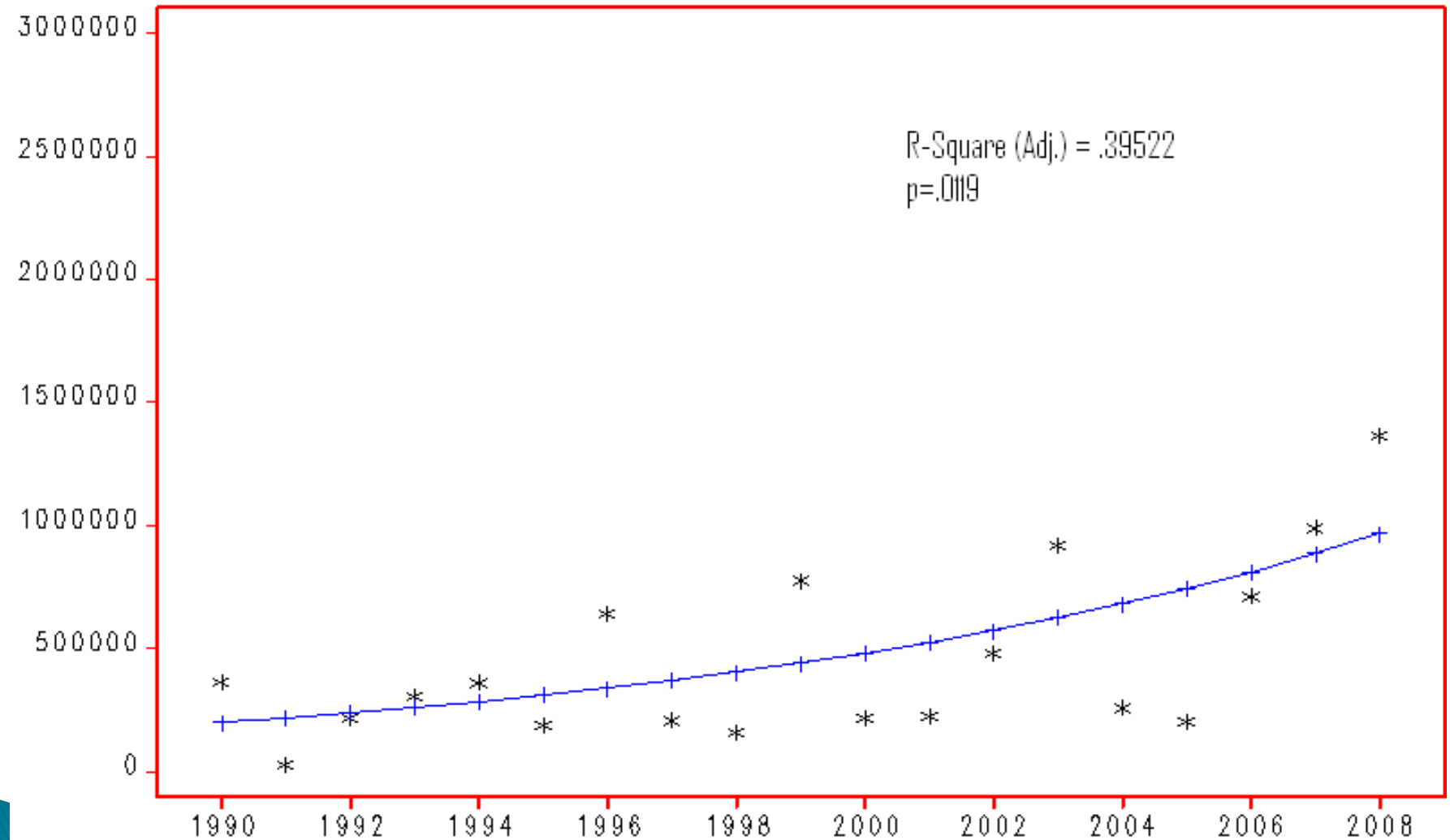


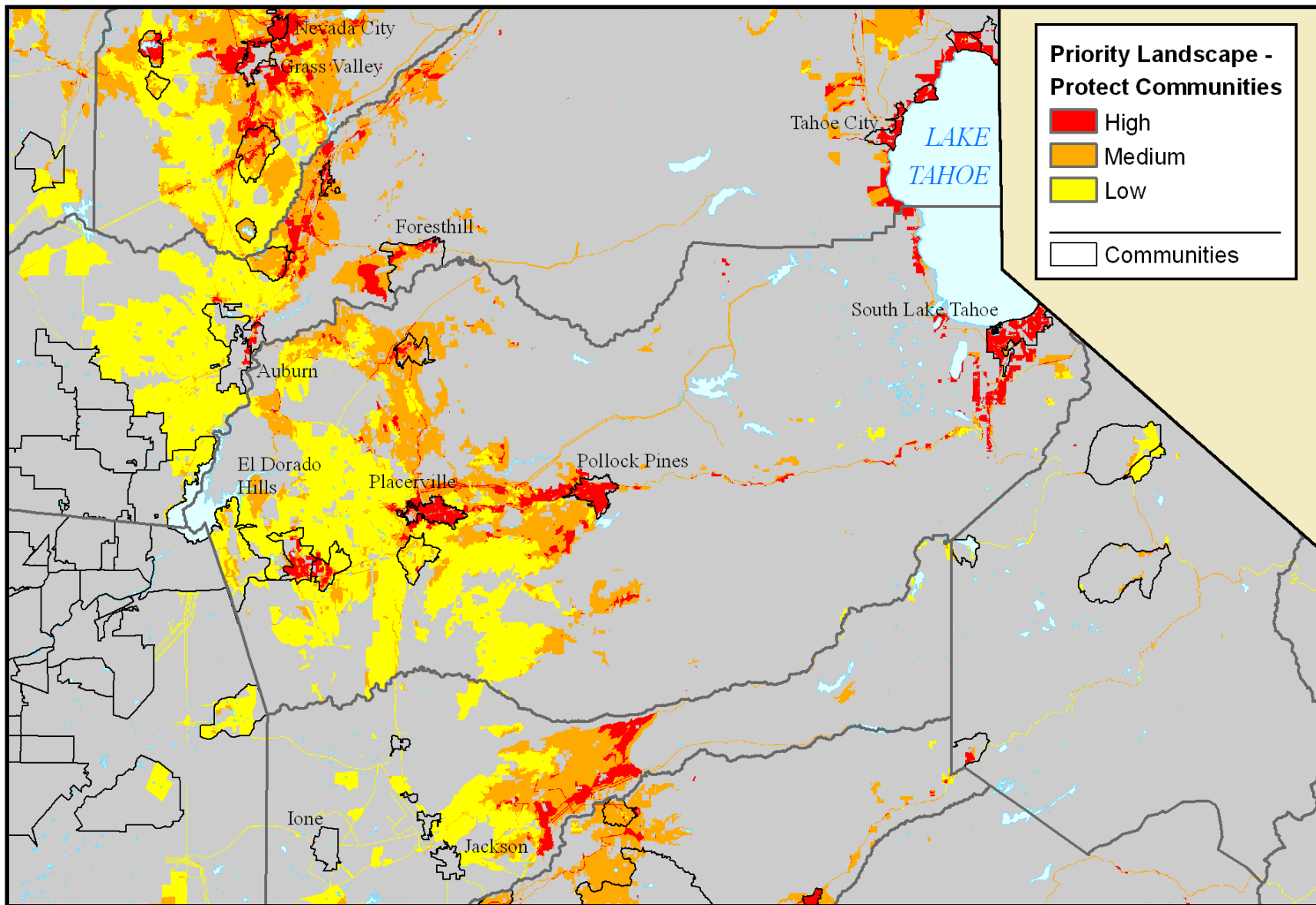
Wildfire Acres Burned 1990-2008

Log (Acres)

Log Linear Trend

Model Predictions for ALL





- ▶ CAL FIRE's recommendations to protect same people from wildfire impacts?

Identify and evaluate wildland fire hazards and recognize life, property and natural resource assets at risk, including watershed, habitat, social and other values of functioning ecosystems. Facilitate the sharing of all analyses and data collection across all ownerships for consistency in type and kind.

- ▶ 2007 New Fire Resistive Construction in the all of the SRA and the VHFHSZ.



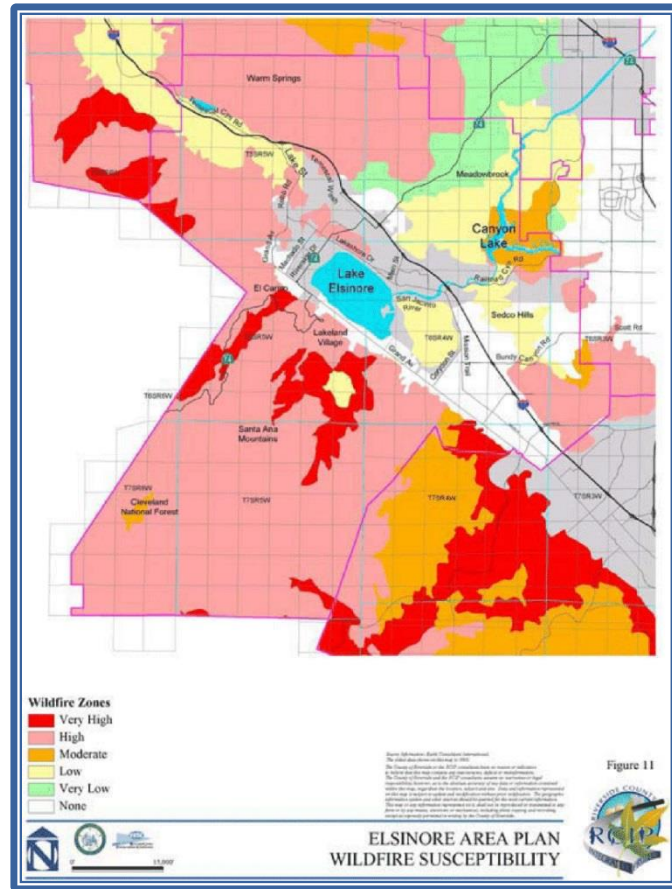
Protective Measures for the Public

LE-100 Program



- ▶ CAL FIRE Programs aimed at addressing these issues (FireSTEPP and VMP)

Safety Element Review with Local Government and CEQA Findings



Fuel Reduction Programs

